

## PRODUCT DESCRIPTION

ABchimie 9111UV is a soft clear glue made for bonding many substrates (glass, metal, plastics...). The curing is immediate with UV radiations. The cured glue is colorless and no yellowing. Its reactivity and viscosity allows a deposit of 4mm-thickness.

ABchimie9111UV exists also in LED version. It will react at LED radiation (at 395nm). This product is also clear and no yellowing. Its names is **ABchimie9111UV LED**.

ABchimie9111 UV is compliance with REACH and RoHS regulations. If you want a certificate, please contact us ([info@abchimie.com](mailto:info@abchimie.com)).

## FEATURES

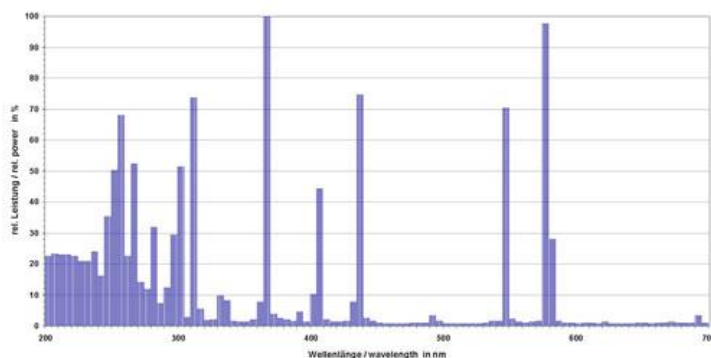
- Excellente adherence on many substrates: glass, plastic
- Colorless and no yellowing
- Very fast curing with UV radiations
- No VOC

## CURING CONDITIONS

ABchimie9111 UV cures immediatly with UV rays.

### UV Curing :

It is important to use the appropriate UV equipment, as well as the parameters recommended to obtain the optimal properties of the ABchimie9111 UV. The advised equipment is a **mercury lamp**.



*Emission spectrum of mercury lamp (UV between 200 and 400nm)*

To **100µm thickness**, minimum UVA dose : **500mJ/cm<sup>2</sup>**

The ABchimie9111UV glue has a slight tack effect due to its composition and nature of glue.

The UV dose given is a minimum to guarantee a good curing of varnish. A higher dose of UV or an overexposure will not damage the product.

ABchimie9111UV LED will react at LED radiation at 395nm. This product is also clear and has no yellowing.

## **PROPERTIES**

### **ABchimie9111 UV liquid (uncured)**

Base	Urethane Acrylate	
Appearance	Transparent	
Non-volatile residue	100%	...
Viscosity at 22°C	10 000 cP	

### **ABchimie9111 UV cured**

Appearance	Colorless, no yellowing
Adherence	
Glass / glass	3.6 MPa
Glass / alu	4.8 MPa
Glass / PMMA	3MPa
Alu / PMMA	3.8 MPa
PC / PC	3.1 MPa
PMMA / PMMA	3.1 MPa

## **PACKAGING:**

### **ABchimie9111 UV**

Syringe 30 ml	ABchimie 9111UV 30G
1 kg	ABchimie9111 UV 01K
5 kg	ABchimie9111 UV 05K

### **ABchimie9111 UV LED – curing with LED radiations**

Syringe 30 ml	ABchimie 9111UV LED 30G
1 kg	ABchimie9111 UV LED 01K
5 kg	ABchimie9111 UV LED 05K

## **REFERENCES**

### **STORAGE AND SHELF LIFE:**

ABchimie9111 UV must be stored in an opaque container, sealed away from excessive heat, at temperatures not exceeding 40°C. ABchimie9111 UV cures under UV action, it musn't be exposed to any light source.

ABchimie9111 UV could settle. It has to be mixed before use.

Storage temperature: 5 to 30°C

A temporary lower or higher temperature (maximum 40°C) during few days (transport) doesn't distort properties.

Date by use: 12 months after the date of manufacturing

*All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification. ABchimie cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.*